



Polynomials

Special Products

$$(a + b)^2 = (a + b)(a + b) = a^2 + ab + ab + b^2 = a^2 + 2ab + b^2$$

1. $(x - 8)^2$
 $x^2 - 16x + 64$

2. $(a + 5)^2$
 $a^2 + 10a + 25$

3. $(x - 3)^2$
 $x^2 - 6x + 9$

4. $(3n + 1)^2$
 $9n^2 + 6n + 1$

5. $(y - 10)^2$
 $y^2 - 20y + 100$

6. $(2x - 3)(2x + 3)$
 $4x^2 - 9$

7. $(5x - 6)(5x + 6)$
 $25x^2 - 36$

8. $(4x + 3)(4x - 3)$
 $16x^2 - 9$

9. $(3x + 3)(3x - 3)$
 $9x^2 - 9$

10. $(3n + 4)(3n - 4)$
 $9n^2 - 16$

9. $(6x + 1)^2$
 $36x^2 + 12x + 1$

10. $(5b + 2)^2$
 $25b^2 + 20b + 4$

11. $(4x - y)^2$
 $16x^2 - 8xy + y^2$

12. $(6x - 5y)^2$
 $36x^2 - 60xy + 25y^2$

13. $(3y - 5z)^2$
 $9y^2 - 30yz + 25z^2$

16. $(3x - 7y)(3x + 7y)$
 $9x^2 - 49y^2$

17. $(2x + 11y)(2x - 11y)$
 $4x^2 - 121y^2$

18. $(b - a)(b + a)$
 $b^2 - a^2$

19. $(2x + y^2)(2x - y^2)$
 $4x^2 - y^4$

20. $(7n^2 + 8)(7n^2 - 8)$
 $49n^4 - 64$